

[54] DATA PROCESSING CARD SYSTEM AND METHOD OF FORMING SAME

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[58] Field of Search 235/492, 488

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[57] ABSTRACT

A data processing card system (10) which is mounted

within the general geometrical contoured dimensions of a card-like housing (46). The data processing card system (10) includes a plurality of circuit chip devices (14) mounted to a flexible film carrier member (16). The flexible film carrier member (16) is electrically and mechanically coupled to a substrate carrier member (30). The substrate carrier member (30) includes an electrical pattern (40) at least formed on a first surface (34) thereof for electrical coupling to predetermined input leads of the circuit chip devices (14). The combination of the flexible film carrier member (16) and the substrate carrier member (30) are sandwiched between a pair of upper and lower plastic layers (42 and 44) in a substantially hermetic sealing type environment. An edge face (38) of the substrate carrier member (30) provides for a heat dissipation surface area as well as an area wherein electrical connecting pin members (36) are extended to the edge of face (38) for coupling with external devices. The data processing card system (10) is portable and may be carried by the user for insert into external terminal devices for actuation of the data processing card system (10).

60 Claims, 9 Drawing Figures

